

## Historical Floods: James River at Bent Creek, Virginia

Latitude: 37.536

Flood Stage: 16 ft

Period of Record: 1870-Present

Last Flood: 1/26/2010

Longitude: -78.83

Number of Floods: 51

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
9/30/1870	27.00	150,000	Moderate	C1
11/24/1877	24.00	125,000	Moderate	C1
4/1/1886	19.00	79,000	Minor	C1
6/1/1889	19.00	79,000	Minor	C1
8/17/1928	18.80	74,000	Minor	C1
12/1/1934	19.65	86,200	Minor	none
1/24/1935	20.22	91,000	Minor	none
9/6/1935	17.05	66,000	Minor	none
3/18/1936	23.02	115,000	Moderate	none
10/20/1937	16.76	60,700	Minor	none
8/16/1940	19.63	86,200	Minor	none
5/17/1942	16.50	58,800	Minor	none
5/23/1942	18.34	70,400	Minor	none
9/19/1944	18.00	73,500	Minor	none
12/4/1948	18.68	76,400	Minor	none
4/14/1949	17.47	66,800	Minor	none
9/10/1950	17.80	69,200	Minor	none
12/8/1950	16.70	60,900	Minor	none
2/22/1953	16.07	56,700	Minor	none
3/2/1954	16.78	61,600	Minor	none
3/7/1955	17.28	65,100	Minor	none

4/6/1957	16.60	60,200	Minor	none
3/31/1960	16.19	58,400	Minor	none
10/22/1961	16.42	59,800	Minor	none
3/13/1963	18.47	75,500	Minor	none
3/8/1967	16.23	58,600	Minor	none
8/20/1969	24.77	144,000	Moderate	none
1/1/1970	16.08	57,600	Minor	none
5/31/1971	16.31	59,200	Minor	none
6/21/1972	27.13	176,000	Moderate	none
12/28/1973	18.00	71,500	Minor	none
3/19/1975	18.34	75,100	Minor	none
4/6/1977	16.66	61,600	Minor	none
1/27/1978	18.38	75,400	Minor	none
2/26/1979	18.37	75,300	Minor	none
6/14/1982	16.75	69,500	Minor	F2
2/15/1984	16.11	64,400	Minor	F2
11/5/1985	30.76	226,000	Major	F2
4/17/1987	21.73	115,000	Minor	F2
4/26/1987	16.67	68,900	Minor	F2
9/8/1987	20.25	101,000	Minor	F2
4/22/1992	21.02	108,000	Minor	F2

Drainage Area: 3649 sq mi

Gage Datum: 381.39 ft MSL

James Basin

County of Gage: Nelson

County of Forecast Point: Appomattox

## Historical Floods: James River at Bent Creek, Virginia

Latitude: 37.536

Flood Stage: 16 ft

Period of Record: 1870-Present

Last Flood: 1/26/2010

Longitude: -78.83

Number of Floods: 51

Date of Flood	Crest (ft)	Streamflow (cfs)	Category	Code
3/5/1993	16.50	67,500	Minor	F2
1/16/1995	17.57	76,400	Minor	F2
6/28/1995	17.57	76,400	Minor	F2
1/19/1996	19.01	89,000	Minor	F2
9/7/1996	19.28	91,500	Minor	F2
1/9/1998	17.02	71,700	Minor	F2
2/23/2003	17.97	79,800	Minor	F2
9/29/2004	16.97	71,300	Minor	F2
1/26/2010	16.85	70,300	Minor	F2

Drainage Area: 3649 sq mi

Gage Datum: 381.39 ft MSL

James Basin

County of Gage: Nelson

County of Forecast Point: Appomattox

## Historical Floods: James River at Bent Creek, Virginia

Latitude: 37.536

Period of Record: 1870-Present

Longitude: -78.83

Flood Stage: 16 ft

Last Flood: 1/26/2010

Number of Floods: 51

Date of Flood

Crest (ft)

Streamflow (cfs)

Category

Code

-9999 signifies missing data

### MARFC Codes

Code Description

- C1 Crest information looks unreliable and incomplete and not used in frequency calculations. Some of the floods are based on current flood stage and nearby gage information.
- C2 Crest information looks reliable despite potential problems. This data was used in frequency calculations.
- C3 Crest height estimated by the USGS.
- C4 Crest height is from the National Weather Service.
- C5 Crest height affected by backwater.
- C6 Crest occurred at a previous flood stage that is lower than the current flood stage. The crests below the new flood stage are not used in flood frequency calculations.
- C7 Crest from USGS yearly peak and/or date is different than the crest we provide. In many cases MARFC uses crest based on backwater or ice effects. Crest month or day of occurrence has been estimated by The Middle Atlantic River Forecast Center usually based on nearby gage information.
- C8 Crest date (day) in the month is unknown.
- C9 Flow is an estimate.
- F1 Flow affected by regulation or diversion and in some cases to an unknown degree.
- F2 Flow effected by snow-melt, ice jam or debris jam break up.
- F3 Flow affected by dam failure.
- F4 Flow - All or part of the record affected by urbanization, mining, agricultural changes, channelization or other factors.
- F5 Gage height at a different site and/or datum.
- G1 Gage is not an official USGS gage with crests provided by the NWS. Crest information looks unreliable and incomplete and not used in flood frequency calculations.
- G2 Gage datum changed during this year.

Drainage Area: 3649 sq mi

Gage Datum: 381.39 ft MSL

James Basin

County of Gage: Nelson

County of Forecast Point: Appomattox